

NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090206

Mode: Highway

Status: Submitted

NC-58 (New Route)

From/Cross Street: Kinston

Specific Improvement Type: 5 - Construct Roadway on New Location

To: Wilson

Project Category: Regional Impact

Length: 33.21

TIP#: R-3102

Fully Funded in Draft STIP? No

Cost to NCDOT: \$463,923,000

Description:

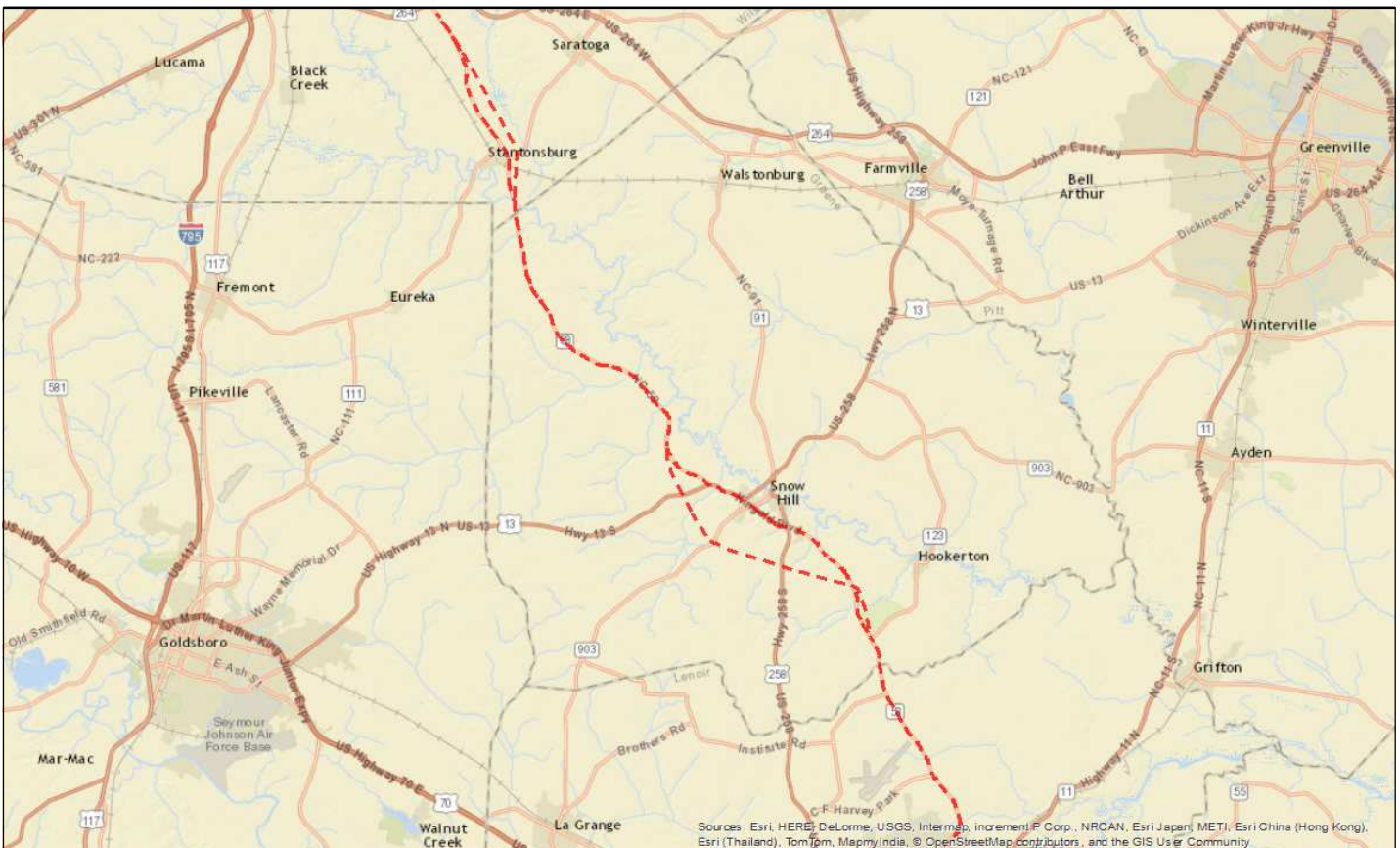
Kinston to Wilson. Construct a Freeway on New Location.

Division(s): Division 2, Division 4

County(s): GREENE, WILSON, LENOIR

MPOS(s)/RPO(s): East Carolina RPO, Upper Coastal Plain RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 18.02

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 0.28	Percent: 15%	Percent: 15%
Multimodal + [Freight & Military] (25%) 9.21	Points: 0	Points: 21
Safety (25%) 50.05		
Totals: Weight: 70% Weighted Score: 14.87		

Division Needs Total Score: 14.72

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 18.96	Percent: 25%	Percent: 25%
Safety (20%) 50.05	Points: 0	Points: 0
Multimodal + [Freight & Military] (10%) 9.21		
Totals: Weight: 50% Weighted Score: 14.72		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	54
Length (miles):	32.7
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	5138.44
Capacity:	18243.19
Volume/Capacity Ratio:	0.28
% Autos:	92%
% Trucks:	8%
Truck Volume:	433.71
Crash Density:	61.22
Crash Severity:	44.42
Critical Crash Rate:	44.51
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	87
Actual Congested Speed:	48.54
Travel Time Index:	1.11

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	70
Length (miles):	33.21
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial-Other Freeway
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	5739098.05
Travel Time Savings for 30 Years (Autos):	5254684.87
Travel Time Savings for 30 Years (Trucks):	484413.18
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	Yes
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 2

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 2	80%	0	0
Division 4	20%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
East Carolina RPO	79%	0	0
Upper Coastal Plain RPO	21%	21	0
	0%	0	0
TOTAL MPO/RPO Points		21	0

Project Cost and Source

Construction Cost:	\$398,088,000	TIP Unit
Right-of-Way Cost:	\$58,781,000	Cost Estimation Tool
Utilities Cost:	\$7,054,000	Cost Estimation Tool
Total Project Cost:	\$463,923,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$463,923,000	